



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Radford et. al.

**Serial No.:** 10/624,952

**Filed:** July 22, 2003

**For:** EXPANDABLE REAMER  
APPARATUS FOR ENLARGING  
BOREHOLES WHILE DRILLING AND  
METHODS OF USE

**Confirmation No.:** 7688

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 1684-5323.1US  
(484-28290-US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 6, 2004  
Date

Signature

Leah J. Barrow  
Name (Type/Print)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an

admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 1,764,373	06/17/1930	Wells et al.
US - 4,503,919	03/12/1985	Suied
US - 2002/0070052 A1	06/13/2002	Armell et al.

Other Documents

UK Patent Office Search Report dated November 6, 2003 (4 pages).

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,



Trent N. Butcher, P.E.  
Registration No. 51,518  
Attorney for Applicants  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: January 6, 2004

TNB/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08  
Copy of documents cited

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/624,952
Filing Date	July 22, 2003
First Named Inventor	Radford et. al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	1684-5323.1US (484-28290-US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-1,764,373	06/17/1930	Wells et al.	
		US- 4,503,919	03/12/1985	Suied	
		US- 2002/0070052 A1	06/13/2002	Armell et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	2
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*Complete if Known*

Application Number	10/624,952
Filing Date	July 22, 2003
First Named Inventor	Radford et. al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	1684-5323 IIS (484-28290-IIS)

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
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